

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Takehiko KOBAYASHI

Serial No.: 10/743,731

Filed: December 24, 2003

For: DEMODULATION METHOD AND APPARATUS BASED ON  
DIFFERENTIAL DETECTION SYSTEM FOR  $\pi/4$  SHIFTED QPSK  
MODULATED WAVE

Group: 2611

Examiner: L. V. Q. Nguyen

Docket No.: 500.43356X00

Customer No.: 24956

Director of the U.S. Patent and Trademark Office  
Mail Stop - Refund Request  
P.O. Box 1450  
Alexandria, VA 22313-1450**REQUEST FOR REFUND**

Sir:

Applicants request a refund in the above-identified application due to an error on the part of the Patent Office.

On July 9, 2007, Applicants filed an Amendment. Attached to the Amendment was a PTO-1449 Form, originally filed on December 24, 2003. As can be seen from paragraph 2, page 6 of the Remarks filed with the Amendment (copy attached), Applicants were requesting that the Examiner acknowledge receipt of the documents received on December 24, 2003, not filing an Information Disclosure Statement.

Appl. No. 10/743,731

500.43356X00

Request for Refund dated September 10, 2007

However, the Applicants' representatives Monthly Statement of Account for August, 2007 (copy enclosed) indicates that on August 1, 2007, the Deposit Account was charged for the filing of an IDS when no IDS had been filed.

Please credit a refund in the amount of \$180.00 to the Deposit Account No.

50-1417.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By 

Carl I. Brundidge

Registration No. 29,621

CIB/kkt

(703) 684-1120

500.43356X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Takehiko KOBAYASHI

**Serial No.:** 10/743,731

**Filed:** December 24, 2003

**For:** DEMODULATION METHOD AND APPARATUS BASED ON  
DIFFERENTIAL DETECTION SYSTEM FOR  $\pi/4$  SHIFTED  
QPSK MODULATED WAVE

**Group:** 2611

**Examiner:** L. V. Q. Nguyen

**AMENDMENT**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

July 9, 2007

Sir:

In response to the Office Action dated March 9, 2007, please amend  
the above-identified application as follows.

**Amendments to the Specification**

**Amendments to the Claims**

**Remarks are included following the amendments.**

**REMARKS**

The present Amendment amends claims 1 and 3-5 and cancels claims 2 and 6. Therefore, the present application has pending claims 1 and 3-5.

In paragraph 1 of the Office Action the Examiner objected to the Information Disclosure Statement submitted on December 24, 2003 as allegedly failing to comply with 37 CFR §1.98(a)(1). Filed on even date herewith is a Form PTO-1449 listing the reference submitted by the December 24, 2003 Information Disclosure Statement. An indication that the cited references have been considered is respectfully requested.

Claim 1 stands objected to due to informalities noted by the Examiner in paragraph 2 of the Office Action. Amendments were made to claim 1 to correct the informalities noted by the Examiner. Therefore, this objection is overcome and should be withdrawn.

Claim 4 stands rejected under 35 USC §112, second paragraph being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regards as their invention. Various amendments were made throughout claim 4 to bring them into conformity with the requirements of 35 USC §112, second paragraph. Therefore, this rejection with respect to claim 4 is overcome and should be withdrawn.

Specifically, amendments were made throughout claim 4 to overcome the objections noted by the Examiner in the Office Action.

Claims 1 and 5 stand rejected under 35 USC §103(a) as being unpatentable over Zak (U.S. Patent No. 6,084,926); claims 2 and 6 stand rejected under 35 USC §103(a) as being unpatentable over Zak and further in view of Akahori (U.S. Patent Application Publication No. 2002/0034266 A1);



# United States Patent and Trademark Office

Return To:  
USPTO  
Home  
Page  
Finance  
Online  
Shopping  
Page

## Deposit Account Statement

Requested Statement Month: August 2007  
 Deposit Account Number: 501417  
 Name: MATTINGLY STANGER & MALUR, P.C.  
 Attention:  
 Street Address 1: 1800 DIAGONAL ROAD, SUITE 370  
 Street Address 2:  
 City: ALEXANDRIA  
 State: VA  
 Zip: 22314  
 Country: UNITED STATES

DATE	SEQ	POSTING REF TXT	ATTORNEY DOCKET NBR	FEE CODE	AMT	BAL
08/01	1	10743731	500.43356X00	1806	\$180.00	\$10,863.00
08/03	26	11448102	BAY-310-03	1806	-\$180.00	\$11,043.00
08/08	1	10989388	H-1174	1202	\$150.00	\$10,893.00
08/06	2	10989388	H-1174	1201	\$200.00	\$10,693.00
08/08	1	11203206	KAS-179-02	1253	\$1,020.00	\$9,673.00
08/13	39	11822571	BAY-320-02	2051	\$85.00	\$9,608.00
08/15	70	11703074	POL-5706	1011	\$300.00	\$9,308.00
08/15	71	11703074	POL-5706	1111	\$500.00	\$8,808.00
08/16	72	11703074	POL-5706	1311	\$200.00	\$8,608.00
08/15	73	11703074	POL-5706	1051	\$130.00	\$8,478.00
08/21	11174	11765722	ASA-5851	8021	\$40.00	\$8,438.00
08/22	2	08910115	BAY-310	1806	\$180.00	\$8,258.00
08/22	13033	0153820736	ASA-1183	8013	\$25.00	\$8,233.00
08/23	12622	11830232	NIP-5917	8021	\$40.00	\$8,193.00
08/23	12717	11832238	ASA-5930	8021	\$40.00	\$8,153.00
08/23	12745	11774788	H-5876	8021	\$40.00	\$8,113.00
08/23	12811	11771257	POL-5869	8021	\$40.00	\$8,073.00
08/24	7316	11776851	TAM-5897	8021	\$40.00	\$8,033.00
08/27	11496	11834230	KAS-5926	8021	\$40.00	\$7,993.00
08/28	7565	11834239	KAS-5939	8021	\$40.00	\$7,953.00
08/29	1653	11836437	KAS-5944	8021	\$40.00	\$7,913.00
08/30	1564	11841272	KAS-5956	8021	\$40.00	\$7,873.00
08/30	15	11281475	520.42556CX1	1251	-\$120.00	\$7,993.00
08/30	36	11487348	H-1139-02	1806	-\$180.00	\$8,173.00
08/30	2	11059651	NIT-458	1201	\$200.00	\$7,973.00
08/31	606	11847651	ASA-5969	1011	\$300.00	\$7,673.00

<https://ramps.uspto.gov/eram/Controller;jsessionid=0000ac0WHftg45q6RixKd0UwYuP:11...> 9/4/2007

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Takehiko KOBAYASHI

Serial No.: 10/743,731

Filed: December 24, 2003

For: DEMODULATION METHOD AND APPARATUS BASED ON  
DIFFERENTIAL DETECTION SYSTEM FOR  $\pi/4$  SHIFTED QPSK  
MODULATED WAVE

Group: 2611

Examiner: L. V. Q. Nguyen

Docket No.: 500.43356X00

Customer No.: 24956

November 8, 2007

Director of the U.S. Patent and Trademark Office  
Mail Stop - Refund Request  
P.O. Box 1450  
Alexandria, VA 22313-1450SECOND REQUEST FOR REFUND


Sir:

Attached is a copy of the Request for Refund filed on September 10, 2007 as well as a copy of the facsimile cover sheet indicating that the Request for Refund was received by the Patent Office.

Applicants request that the attached Request for Refund be considered and that the refund be credited to Deposit Account No. 50-1417.

Respectfully submitted,

MATTINGLY, STANGER, MALUR &amp; BRUNDIDGE, P.C.

By  2021,02  
for Carl I. Brundidge  
Registration No. 29,621

CIB/kkt  
(703) 684-1120

Document code: WFEE

United States Patent and Trademark Office  
Sales Receipt for Accounting Date: 08/01/2007

LBADIE SALE #00000001 Mailroom Dt: 07/09/2007 501417 10743731  
01 FC:1806 180.00 DA

Adjustment Date: 12/06/2007 SDIRETA1  
08/01/2007 LBADIE 00000001 501417 10743731  
01 FC:1806 180.00 CR